

FIG. 2a

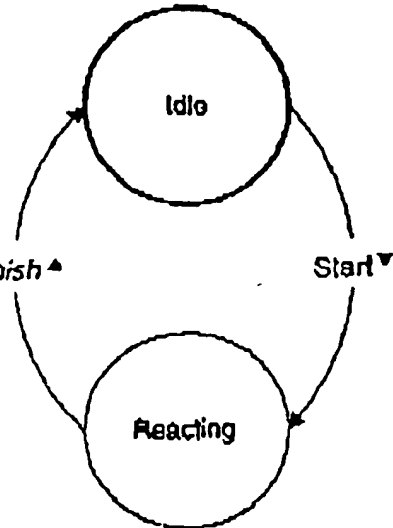


FIG. 2b

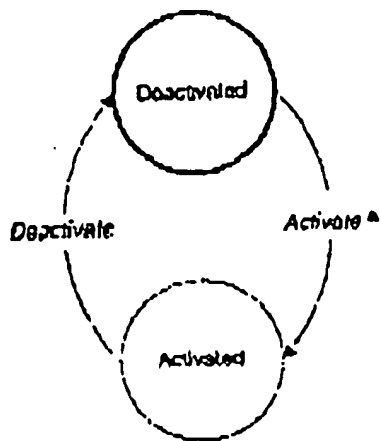


FIG. 3a

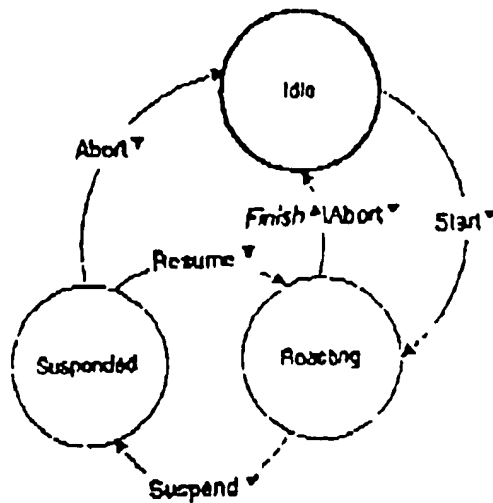


FIG. 3b

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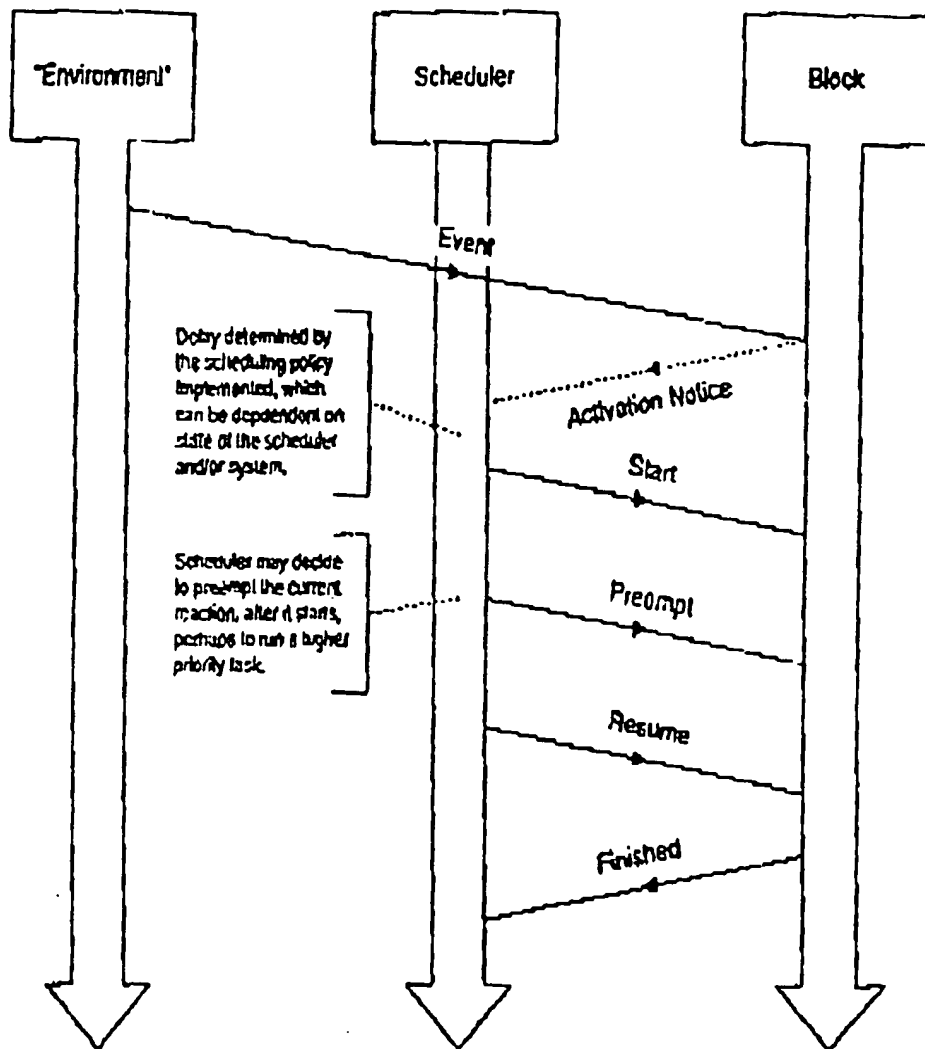


FIG. 4

```

class FxSchedulerInterface
{
public:
    //
    // Messages sent from FxSchedulableInterface objects.
    virtual void schedulerActivationNotice(
        FxSchedulableInterface *) = 0;
    virtual void schedulerFinishNotice(
        FxSchedulableInterface *) = 0;
};

```

FIG. 5

```

class FxSchedulableInterface
{
public:
    //
    // Messages sent to FxSchedulerInterface object.
    virtual void schedulableStart() = 0;
    virtual void schedulableSuspend() = 0;
    virtual void schedulableResume() = 0;
    virtual void schedulableAbort() = 0;
};

```

FIG. 6

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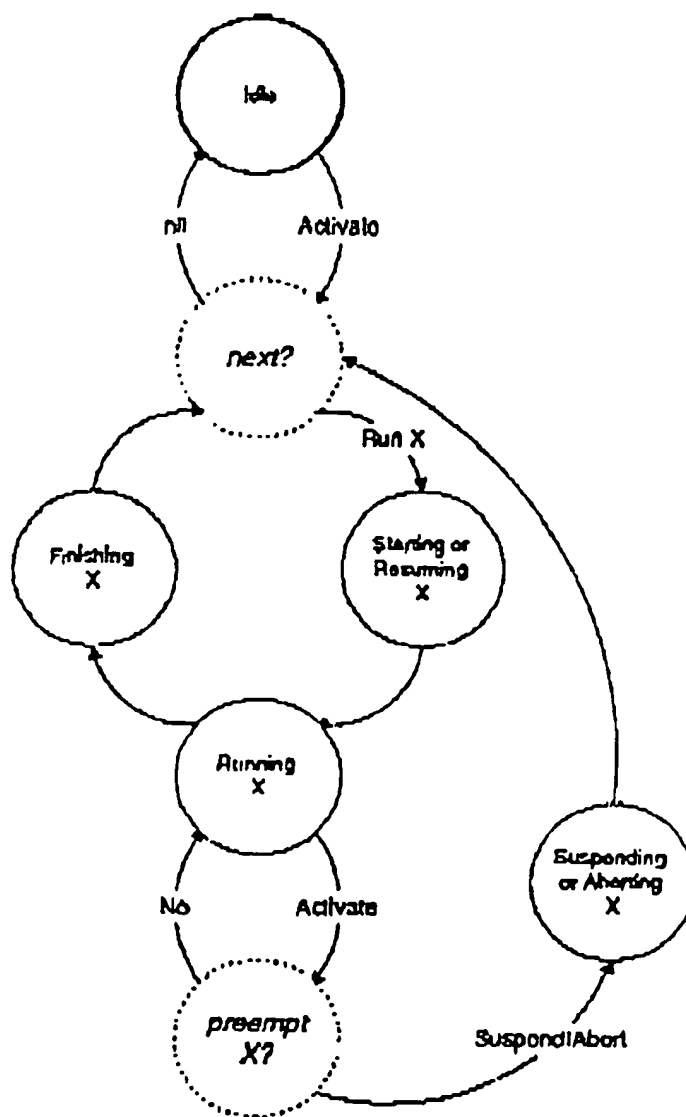


FIG. 7

```

task_ABD() {
    while (1) {           // cyclo-static schedule in task
        read_events();
        A_Run();           // 1
        B_Run();           // 2
        D_Run();           // 3
        post_events();
    }
}

irq_handler_C() {
    C_Run();               // interrupt handler
    post_events();
}

task_E() {
    while (1) {           // single behavior in task
        read_events();
        E_Run();
        post_events();
    }
}

main() {                  // initialization
    nos_create_task(task_ABD, ...)
    nos_install_handler(irq_handler_C, ...)
    nos_create_task(task_E, ...);
    ...
}

```

FIG. 8